AMENDMENTS TO THE CLAIMS

Claims 1-15 **(Cancelled)**

16. **(New)** A method for the preparation of a styrene/propylene copolymer comprising:

(a) providing a catalyst system comprising a metallocene catalyst component characterized by formula I:

$$R''(CpR_m)(FluR'_n)MQ_2$$

wherein:

Cp comprises a cyclopentadienyl ring; Flu comprises a fluorenyl ring; R" comprises a structural bridge imparting stereorigidity to the component; each R is the same or different and is an organic group; m is an integer of from 0-4; each R' is the same or different and is an organic group; n is an integer of from 0-8; M is a metal atom from Group 4 of the Periodic Table or is vanadium; and each Q is a hydrocarbon having from 1-20 carbon atoms or is a halogen;

or formula II:

$$R''(FluR'_n)XR^{\$}MQ_2$$

wherein:

$R(FluR'_n)$, R", M and Q are as defined hereinabove; $R^{\$}$ is hydrogen or a hydrocarbyl group having from 1-20 carbon atoms; and X is a heteroatom from group 15 or 16 of the Periodic Table;

(b) contacting said catalyst system with styrene and propylene under polymerization conditions to produce a styrene/propylene copolymer; and

(c) recovering said styrene/propylene copolymer.

17. **(New)** The method of claim 16 wherein $R^{\$}$ is a tertiary butyl group.

18. **(New)** The method of claim 16 wherein said metallocene catalyst component is characterized by formula I and wherein at least one group R is positioned on the cyclopentadienyl such that it is distal to the bridge R", and comprises a bulky group of the formula ZR^*_3 in which Z is an atom from Group 14 of the Periodic Table and each R* is the same or different and is chosen from a hydrogen or a hydrocarbyl group having from 1-20 carbon atoms.

19. **(New)** The method of claim 18 wherein the cyclopentadienyl ring of formula I comprises a substituent ZR^*_3 distal to the bridge R" and a substituent $YR\#_3$ proximal to the bridge and non-vicinal to ZR^*_3, wherein Y is an atom from Group 14 of the Periodic Table, and each R# is the same or different and is chosen from a hydrogen or a hydrocarbyl group having from 1-7 carbon atoms.

20. **(New)** The method of claim 19 wherein at least one of Z and Y comprises carbon or silicon.

21. **(New)** The method of claim 19 wherein the ZR^*_3 is selected from the group consisting of $C(CH_3)_3$, $C(CH_3)_2Ph$, CPh_3, and $Si(CH_3)_3$.

22. **(New)** The method of claim 21 wherein $YR\#_3$ comprises a methyl group or a trimethyl silyl group.

23. **(New)** The method of claim 22 wherein ZR^*_3 comprises $C(CH_3)_3$, $C(CH_3)_2Ph$, CPh_3, and $Si(CH_3)_3$.

24. **(New)** The method of claim 16 wherein said metallocene catalyst component is characterized by formula II and wherein X is a heteroatom from Group 15 of the Periodic Table.

25. **(New)** The method of claim 24 wherein X is N or P.

26. **(New)** The method of claim 25 wherein $R^{\$}$ is a tertiary butyl group.

27. **(New)** The method of claim 26 wherein the fluorenyl group of formula II is disubstituted with tertiary butyl groups in the 2 and 7 or 3 and 6 positions of the fluorenyl group.

28. **(New)** The method of claim 27 wherein said tertiary butyl groups are in the 3 position and the 6 position of said fluorenyl group.

29. **(New)** The method of claim 16 wherein the fluorenyl group Flu in formula I or formula II is symmetrically substituted with substituents at positions 3 and 6 or positions 2 and 7 of the symmetrically substituted fluorenyl group.

30. **(New)** The method of claim 29 wherein said fluorenyl group is substituted with substituents at the 3 and 6 positions.

31. **(New)** The method of claim 30 wherein said fluorenyl group is substituted with tertiary butyl groups.

32. **(New)** The method of claim 16 wherein said styrene/propylene copolymer has a styrene content within the range of 2-50 wt.%.

33. **(New)** The method of claim 32 wherein said styrene/propylene copolymer has a styrene content within the range of 5-25 wt.%.